obtain compatibility with the standard being that the state
must be re-transposed before being outputs.--

In the Abstract:

Please amend the heading beginning at line 1 of page
15 with the following:

--Abstract of the Disclosure--

Please replace the paragraph beginning at line 2 of
page 15 with the following rewritten paragraph:

--Data are converted between an unencrypted and an
encrypted format according to the Rijndael algorithm,
including a plurality of rounds. Each round is comprised of a
fixed set of transformations applied to a two-dimensional
array, designating states, of rows and columns of bit words.
At least a part of the transformations are applied on a
transposed version of the state, wherein rows and columns are
transposed for the columns and rows, respectively.--

In the Claims:

Please cancel Claims 1 to 20.

Please add new Claims 21 to 47.